

Re: JSH: Finally! They're caught.

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Source: <http://sci.tech-archive.net/Archive/sci.math/2009-03/msg03638.html>

- *From:* JSH <jstevh@xxxxxxxxxx>
 - *Date:* Sun, 29 Mar 2009 15:35:55 -0700 (PDT)
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On Mar 29, 12:45 pm, Enrico <ungerne...@xxxxxxxx> wrote:

On Mar 29, 12:06 pm, JSH <jst...@xxxxxxxxxx> wrote:

On Mar 29, 10:27 am, Enrico <ungerne...@xxxxxxxx> wrote:

On Mar 29, 10:48 am, JSH <jst...@xxxxxxxxxx> wrote:

Now readers can finally see clearly what I've had to face for years:
some of those among you are
anti-knowledge.

It has been so frustrating watching these people get away with it for years. And now the result that proves my point by how they react to it.

Notice, they have all the warnings too!!!
Yet they still are fighting
it. That is telling.

It is such a beautiful mathematical result too.
A family of three
equations connected to Pell's Equation,

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where primes come in as well
with D being prime, where they are EASIER
to solve.

That creates a story where none of the old
lies and manipulating
techniques they use can hold.

But some of them are trying anyway which
is an expression of contempt
for you.

I don't think they see most of you as being
anything but their tools.

They've ruled you for so long that they have
no respect for your
intelligence.

Yup. They've RULED you. That's why they
fight so hard.

You have been slaves in mind, if not in
body.

You have been servants to a class of people
who have nothing but
contempt for you.

James Harris

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to solve.

$$\text{Given: } 29718^2 - 61 \cdot 3805^2 = -1$$

Show me how your equations are used to find
a solution to the more difficult:

$$X^2 - 61 \cdot Y^2 = 1$$

Enrico

The equation is:

$$x = 2Dk^2 - 1 \text{ and } x = 2j^2 + 1$$

$$\text{so } x = 1766319049.$$

I'm more curious though about how long it takes to solve for the
negative Pell's Equation using continued fractions versus Pell's
Equation.

That is coming up as a research question.

James Harris– Hide quoted text –

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– Show quoted text –

Ah. So it really does work – transforming a relatively easy solution into the solution of a difficult one.

The reason I asked about $D=61$ was that it was a challenge problem posed by Fermat in the mid 1600's.

I don't find any references in the history to someone easily picking off the solution – It would have been noteworthy. (I only looked at one site:)

<http://www-groups.dcs.st-and.ac.uk/~history/HistTopics/Pell.html>

Enrico

Yeah. Turns out that you can actually—I think—do a simple search using about roughly 4 checks? I'm guessing as I'm saving this path for if necessary. Some weirdos are still fighting me, is that a bad trend? Will math society try to continue the Math Wars?

The small number is because you're searching mod 61.

There are two things emerging from these solutions:

1. Mathematics is wonderful, beautiful and there are always surprises.
2. There are some weird people on these newsgroups who either have just mentally snapped, from their replies, or somehow they were masquerading at being math people on a level that surprises even me.

One thing is clear though, everything has changed.

Have you done searches on negative Pell's Equation?

Isn't it weird?

How was this result so completely missed?

I feel lucky, but then again, isn't it weird? What gives?

James Harris

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